

Atty. Docket No.  
A34537-PCT-USA-  
072667.0175

Serial No.  
09/890,779

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**

(Use several sheets if necessary)



Applicant  
Wolfgang Werr

Filing Date  
August 6, 2001

Group 1638

**U.S. PATENT DOCUMENTS**

*Exam. Init.	Document No.	Date	Name	Class	Subclass	Filing Date if Appropriate

**FOREIGN PATENT DOCUMENT**

Document No.	Date	Country	Class	SubClass	Translation Yes No
CC 9 6 0 1 3 1 3	01/18/96	WIPO			

**OTHER DOCUMENTS (including Author, Title Date, Pertinent Pages, Etc.)**

CC	Long et al. (1996) "A Member of the KNOTTED Class of Homeodomain Proteins Encoded by the STM Gene of Arabidopsis," Nature 379-66-69
	Riechmann et al. (1996) "DNA-Binding Properties of Arabidopsis MADS Domain Homeotic Proteins APETALA1, APETALA3, PISTILLATA and AGAMOUS," Nucleic Acids Research 24:3134-3141
↓	Weinmann et al. (1994) "A Chimeric Transactivator Allows Tetracycline-Responsive Gene Expression in Whole Plants," The Plant Journal 5:559-569

Examiner

*Cynthia Collins*

Date Considered

12/10/04

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce  
Patent and Trademark Office

Atty. Docket No.  
A34537-PCT-USA (072667.0175)

Serial No.  
09/890,779

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**

(Use several sheets if necessary)

Applicant  
Werr

Filing Date  
August 6, 2001

Group Art Unit  
~~Not Yet Assigned~~ 1638

**U.S. PATENT DOCUMENTS**

*Exam. Init.	Document No.	Date	Name	Class	Subclass	Filing Date if Appropriate
CC	1. 5 9 0 7 0 8 1	05/25/99	Isaac et al.	800	205	
	13. 5 6 8 9 0 4 4	11/18/97	Ryals et al.	800	205	
↓	47. 4 9 4 3 6 7 4	07/24/90	Houck et al.	800	205	

**FOREIGN PATENT DOCUMENT**

*Exam. Init.	Document No.	Date	Country	Class	SubClass	Translator Yes No
CC	9. 9 7 2 3 6 1 8	07/03/97	WIPO	C12N	15/29	
	25. 9 4 2 1 7 9 3	09/29/94	WIPO	C12N	15/29	
	27. 0 6 9 2 0 3 0	10/13/94	EPC			
	29. 9 4 2 3 0 4 3	10/13/94	WIPO	C12N	15/29	
	33. 9 3 0 2 1 9 7	02/04/93	WIPO	C12N	15/56	
	38. 9 2 1 1 3 7 9	07/09/92	WIPO	C12N	15/82	
	41. 0 4 7 5 5 8 4	03/18/92	EPC	C12N	15/29	
	46. 9 0 0 2 1 7 2	03/08/90	WIPO	C12N	5/00	
↓	50. 8 9 1 0 3 9 6	11/02/89	WIPO	C12N	5/00	

**OTHER DOCUMENTS (including Author, Title Date, Pertinent Pages, Etc.)**

CC	2.	Ahmad KF, Engel CK, Prive GG (1998). Crystal structure of the BTB domain from PLZF. <i>Proc Natl Acad Sci USA</i> 95(21):12123-12128.
	3.	Hardtke CS, Berleth T (1998). The Arabidopsis gene <i>MONOPTEROS</i> encodes a transcription factor mediating embryo axis formation and vascular development. <i>EMBO J</i> 17(5):1405-1411.
	4.	Huynh KD, Bardwell VJ (1998). The BCL-6 POZ domain and other POZ domains interact with the co-repressors N-CoR and SMRT. <i>Oncogene</i> 17(19):2473-2484.
	5.	Salter MG, Paine JA, Riddell KV, Jepson I, Greenland AJ, Caddick MX, Tomsett AB (1998). Characterisation of the ethanol-inducible <i>alc</i> gene expression system for transgenic plants. <i>Plant J</i> 16:127-132.
	6.	Tamagnone L, Merida A, Parr A, Mackay S, Culianez-Macia FA, Roberts K, Martin C (1998). The AmMYB308 and AmMYB330 transcription factors from antirrhinum regulate phenylpropanoid and lignin biosynthesis in transgenic tobacco. <i>Plant Cell</i> 10(2):135-154.
↓	7.	Thiel G, Lietz M, Cramer M (1998). Biological activity and modular structure of RE-1-silencing transcription factor (REST), a repressor of neuronal genes. <i>J Biol Chem</i> 273(41):26891-26899.

Examiner

Date Considered

12/10/04

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.  
NY02:459070.1

SEP 29 2003

Page 2 of 4

Form PTO-1449 U.S. Department of Commerce (REV. 2-82) Patent and Trademark Office	Atty. Docket No. A34537-PCT-USA (072667.0175)	Serial No. 09/890,779
	Applicant Werr	
	Filing Date August 6, 2001	Group Art Unit <del>Not Yet Assigned</del> 1638

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**  
(Use several sheets if necessary)

8.	Tolkunova EN, Fujoka M, Kobayashi M, Deka D, Jaynes JB (1998). Two distinct types of repression domain in engrailed: one interacts with the groucho corepressor and is preferentially active on integrated target genes. <i>Mol Cell Biol</i> 18(5):2804-2814.
10.	Bürglin TR (1997). Analysis of TALE superclass homeobox genes (MEIS, PBC, KNOX, Iroquois, TGIF) reveals a novel domain conserved between plants and animals. <i>Nucleic Acids Res</i> 25(21):4173-4180.
11.	Martin C, Paz-Ares J (1997). MYB transcription factors in plants. <i>Trends Genet</i> 13(2):67-73.
12.	Moosmann P, Georgiev O, Thiesen HJ, Hagmann M, Schaffner W (1997). Silencing of RNA polymerases II and III-dependent transcription by the KRAB protein domain of KOX1, a Kruppel-type zinc finger factor. <i>Biol Chem</i> 378(7):669-677.
14.	Sessions A, Nemhauser JL, McColl A, Roe JL, Feldmann KA, Zambryski PC (1997). <i>ETTIN</i> patterns the <i>Arabidopsis</i> floral meristem and reproductive organs. <i>Development</i> 124(22):4481-4491.
15.	Ulmasov T, Hagen G, Guilfoyle TJ (1997). ARF1, a transcription factor that binds to auxin response elements. <i>Science</i> 276(5320):1865-1868.
16.	Conlon FL, Sedgwick SG, Weston KM, Smith JC (1996). Inhibition of Xbra transcription activation causes defects in mesodermal patterning and reveals autoregulation of Xbra in dorsal mesoderm. <i>Development</i> 122(8):2427-2435.
17.	Friedmann JR, Fredericks WJ, Jensen DE, Speicher DW, Huang XP, Neilson EG, Rauscher FJ III (1996). KAP-1, a novel corepressor for the highly conserved KRAB repression domain. <i>Genes Dev</i> 10:2067-2078.
18.	Ishida Y, Saito H, Ohta S, Hiei Y, Komari T, Kumashiro T (1996). High efficiency transformation of maize ( <i>Zea mays</i> L.) mediated by <i>Agrobacterium tumefaciens</i> . <i>Nat Biotechnol</i> 14(6):745-750.
19.	Simon R, Igeno MI, Coupland G (1996). Activation of floral meristem identity genes in <i>Arabidopsis</i> . <i>Nature</i> 384(6604):59-62.
20.	Smith ST, Jaynes JB (1996). A conserved region of engrailed, shared among all en-, gsc-, Nk1-, Nk2- and msh-class homeoproteins, mediates active transcriptional repression in vivo. <i>Development</i> 122(10):3141-3150.
21.	Überlacker B, Werr W (1996). Vectors with rare-cutter restriction enzyme sites for expression of open reading frames in transgenic plants. <i>Molecular Breeding</i> 2:293-295.
22.	John A, Smith ST, Jaynes JB (1995). Inserting the Ftz homeodomain into engrailed creates a dominant transcriptional repressor that specifically turns off Ftz target genes in vivo. <i>Development</i> 121(6):1801-1813.
23.	Ni M, Cui D, Einstein J, Narasimulu S, Vergara CE, Gelvin SB (1995). Strength and tissue specificity of chimeric promoters derived from the octopine and mannopine synthase genes. <i>Plant J</i> 7:661-676.
24.	Vos P, Hogers R, Bleeker M, Reijans M, van de Lee T, Hornes M, Frijters A, Pot J, Peleman J, Kuiper M, et al. (1995). AFLP: a new technique for DNA fingerprinting. <i>Nucleic Acids Res</i> 23(21):4407-4414.
26.	Dennehey BK, Petersen WL, Ford-Santino C, Pajean M, Armstrong CL (1994). Comparison of selective agents for use with the selectable marker gene <i>bar</i> in maize transformation. <i>Plant Cell Tissue and Organ Culture</i> 36:1-7.
28.	Flavell RB (1994). Inactivation of gene expression in plants as a consequence of specific sequence duplication. <i>Proc Natl Acad Sci USA</i> 91(9):3490-3496.

Examiner

Cynthia Collins

Date Considered

12/10/04

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.  
NY02:459070.1

Form PTO-1449 U.S. Department of Commerce  
(REV. 2-82) Patent and Trademark OfficeAtty. Docket No.  
A34537-PCT-USA (072667.0175)Serial No.  
09/890,779INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT  
(Use several sheets if necessary)Applicant  
Werr  
Filing Date  
August 6, 2001Group Art Unit  
~~Not Yet Assigned~~ 1638

- cc
30. Kerstetter R, Vollbrecht E, Lowe B, Veit B, Yamaguchi J, Hake S (1994). Sequence analysis and expression patterns divide the maize *knotted1*-like homeobox genes into two classes. *Plant Cell* 6(12):1877-1887.
  31. Lloyd AM, Schena M, Walbot V, Davis RW (1994). Epidermal cell fate determination in *Arabidopsis*: patterns defined by a steroid-inducible regulator. *Science* 266(5184):436-439.
  32. Witzgall R, O'Leary E, Leaf A, Onaldi D, Bonventre JV (1994). The Kruppel-associated box-A (KRAB-A) domain of zinc finger proteins mediates transcriptional repression. *Proc Natl Acad Sci USA* 91(10):4514-4518.
  34. Bechtold N, Ellis J, Pelletier G (1993). *In planta Agrobacterium* mediated gene transfer by infiltration of adult *Arabidopsis thaliana* plants. *C.R. Acad Science* 316:1194-1199.
  35. Gaubier P, Raynal M, Hull G, Huestis GM, Grellet F, Arenas C, Pages M, Delseny M (1993). Two different *Em*-like genes are expressed in *Arabidopsis thaliana* seeds during maturation. *Mol Gen Genet* 238(3):409-418.
  36. Han K, Manley JL (1993). Functional domains of the *Drosophila* Engrailed protein. *EMBO J* 12(7):2723-2733.
  37. Liang P, Averboukh L, Pardee AB (1993). Distribution and cloning of eukaryotic mRNAs by means of differential display: refinements and optimization. *Nucleic Acids Res* 21(14):3269-3275.
  39. Jack T, Brockman LL, Meyerowitz EM (1992). The homeotic gene *APETALA3* of *Arabidopsis thaliana* encodes a MADS box and is expressed in petals and stamens. *Cell* 68(4):683-697.
  40. Depigny-This D, Raynal M, Aspart L, Delseny M, Grellet F (1992). The cruciferin gene family in radish. *Plant Mol Biol* 20(3):467-479.
  42. Binet M-N, Lepetit M, Weil J-H, Tessier L-H (1991). Analysis of a sunflower polyubiquitin promoter by transient expression. *Plant Science* 79:87-94.
  43. Martin C, Prescott A, Mackay S, Bartlett J, Vrijlandt E (1991). Control of anthocyanin biosynthesis in flowers of *Antirrhinum majus*. *Plant J* 1(1):37-49.
  44. McElroy D, Blowers AD, Jeness B, Wu R (1991). Construction of expression vectors based on the rice actin 1 (Act1) 5' region for use in monocot transformation. *Mol Gen Genet* 231(1):150-160.
  45. Schena M, Lloyd AM, Davis RW (1991). A steroid-inducible gene expression system for plant cells. *Proc Natl Acad Sci USA* 88(23):10421-10425.
  48. Reina M, Ponte I, Guillen P, Boronat A, Palau J (1990). Sequence analysis of a genomic clone encoding a Zc2 protein from *Zea mays* W64 A. *Nucleic Acids Res* 18(21):6426.
  49. Schmidt RJ, Burr FA, Aukerman MJ, Burr B (1990). Maize regulatory gene opaque-2 encodes a protein with a "leucine-zipper" motif that binds to zein DNA. *Proc Natl Acad Sci USA* 87(1):46-50.
  51. Anderson OD, Greene FC (1989). The characterization and comparative analysis of high-molecular-weight glutenin genes from genomes A and B of a hexaploid bread wheat. *T.A.G.* 77:689-700.
  52. Axelos M, Bardet C, Liboz T, Le Van Thai A, Curie C, Lescure B (1989). The gene family encoding the *Arabidopsis thaliana* translation elongation factor EF-1 alpha: molecular cloning, characterization and expression. *Mol Gen Genet* 219(1-2):106-12.
  53. Riggs CD, Hunt DC, Lin J, Chrispeels MJ (1989). Utilization of luciferase fusion genes to monitor differential regulation of phytohemagglutinin and phaseolin promoters in transgenic tobacco. *Plant Science* 63:47-57.

Examiner

Date Considered

12/10/04

SEP 29 2003

Page 4 of 4

Form PTO-1449 U.S. Department of Commerce  
(REV. 2-82) Patent and Trademark OfficeAtty. Docket No.  
A34537-PCT-USA (072667.0175)Serial No.  
09/890,779INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT  
(Use several sheets if necessary)Applicant  
Werr  
Filing Date  
August 6, 2001Group Art Unit  
~~Not Yet Assigned~~ 1638

CC	54.	Vain P, Yean H, Flament P (1989). Enhancement of production and regeneration of embryogenic type II callus in <i>Zea mays</i> L. by AgNO <sub>3</sub> . <i>Plant Cell Tissue and Organ Culture</i> 18:143-151.
	55.	Vain P, Flament P, Soudain P (1989). Role of ethylene in embryogenic callus initiation and regeneration in <i>Zea mays</i> L. <i>Journal of Plant Physiology</i> 135:537-540.
	56.	Sanford JC (1988). The biolistic process. <i>Trends in Biotechnology</i> 6:299-302.
	57.	Jouanin L, Vilaine F, Tourneur J, Tourneur C, Pautot V, Muller JF, Caboche M (1987). Transfer of a 4.3-kb fragment of the TL-DNA of <i>Agrobacterium rhizogenes</i> strain A4 confers the pRi transformed phenotype to regenerated tobacco plants. <i>Plant Sci</i> 53:53-63.
	58.	Kay R, Chan A, Daly, M, McPherson J (1987). Duplication of CaMV 35S promoter sequences creates a strong enhancer for plant genes. <i>Science</i> 236:1299-1302.
	59.	Kuhlemeier C, Green PJ, Chua N-H (1987). Regulation of gene expression in higher plants. <i>Ann Rev Plant Physiol</i> 38:221-257.
	60.	Töpfer R, Matzeit V, Gronenborn B, Schell J, Steinbiss HH (1987). A set of plant expression vectors for transcriptional and translational fusions. <i>Nucleic Acids Res</i> 15(14):5890.
	61.	An G (1986). Development of plant promoter expression vectors and their use for analysis of differential activity of nopaline synthase promoter in transformed tobacco cells. <i>Plant Physiol</i> 81:86-91.
	62.	Fromm ME, Taylor LP, Walbot V (1986). Stable transformation of maize after gene transfer by electroporation. <i>Nature</i> 319(6056):791-793.
	63.	Poole SJ, Kauvar LM, Drees B, Kornberg T (1985). The <i>engrailed</i> locus of <i>Drosophila</i> : structural analysis of an embryonic transcript. <i>Cell</i> 40(1):37-43.
	64.	Bevan M (1984). Binary <i>Agrobacterium</i> vectors for plant transformation. <i>Nucleic Acids Res</i> 12(22):8711-8721.
	65.	Depicker A, Stachel S, Dhaese P, Zambryski P, Goodman HM (1982). Nopaline synthase: transcript mapping and DNA sequence. <i>J Mol Appl Genet</i> 1(6):561-573.
	66.	Krens FA, Molendijk L, Wullems GJ, Schilperoort RA (1982). <i>In vitro</i> transformation of plant protoplasts with Ti plasmid DNA. <i>Nature</i> 296:72-74.
✓	67.	Franck A, Guilley H, Jonard G, Richards K, Hirth L (1980). Nucleotide sequence of cauliflower mosaic virus DNA. <i>Cell</i> 21(1):285-294.

Examiner

Cynthia Collins

Date Considered

12/10/04

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

NY02:459070.1